SUBJECT INDEX

b = Book review; *c* = Correspondence; *e* = Editorial; *r* = Report

Acetic aldehyde in cutting fluids, irritation 591–601
Acetone, exposure levels 7–20
Acetonitrile, environmental health 396–397[b]
Acid anhydrides, worker exposure, flooring manufacturing plants 559–571
Air flow, and wake effects on worker exposure 211–221
Air pollutants, volatile organic compounds from paints 783–794
Airborne asbestos fibres, recognition from spatial laser scattering profiles 623–632
Airborne contaminants
  design of local exhaust ventilation hoods for grinding wheels 535–543
  wake effects on worker exposure 211–221
Airborne fibres, counting, microscope/computer 455–467
Aluminium, dissolution by rat alveolar macrophages 855–867
Aluminium industry, serum and urinary aluminium levels 181–191
Alveolar macrophages, dissolution of man-made vitreous fibres 855–867
Aqueous solutions, prediction of evaporation rates 513–522
Asbestos
  airborne fibre concentrations, lung burden and tumour response compared 715–725
  counting airborne fibres 455–467
  inhaled, deposition 747–758
  malignant mesothelioma 363–374
  past exposure index, car and bus mechanics 441–454
  recognition from spatial laser scattering profiles 623–632
  variability of elemental composition 79–88
  see also Man-made fibres

Bakery workers
  correlation between measures of exposure 291–298
  dust exposure, variability 299–305
  peak exposure of aeroallergens 193–201
Benzene, environmental health 130–131[b]
  oil tanker crew exposure 347–361
Blood-borne diseases, workplace 394–395[b]
British Occupational Hygiene Society, President 1994-1995: H.G.E. Wilson 5
Bus mechanics, past exposure index to asbestos 441–454

Cancer and workplace chemicals 527–528[b]
Car mechanics, past exposure index to asbestos 441–454
Carbaryl, environmental health 395–396[b]
Carbon disulphide, eye irritation, viscose rayon workers 307–315
Carcinogenic risk
  glass manufacturing industry 271[b]
  man-made fibres, assessment 737–745
  man-made vitreous fibres 759–769
  oil tanker crews 347–361
  see also Oncogenic
Ceramic fibres, *in vivo* biological activity 705–713
  see also Man-made vitreous fibres
Chemical process industry, health hazard control 269–270[b]
Children of male workers at Sellafield, leukaemia and other cancers, HSE ingvestigation 265–267[b]
Chloramines, indoor swimming pool exposure 427–439
Clothing
  computer models to evaluate risks 827–839
  evaluating, heated manikins 809–818
  predicting performance 801–808
Coal liquefaction workers, PAH exposure 329–346
Coaxial air flow, numerical simulation of capture efficiency 21–33
Computer models as tools for evaluating clothing risks and controls 827–839
Computer program review 873
Cushion flooring manufacturers, exposure to acid anhydrides 559–571
Cutting fluids, acetic aldehyde and formaldehyde, irritant symptoms 591–601

Dermal exposure
  biologically relevant assessment 387–392
  monitoring, and related issues 241–255[r]
Dermatitis, exposure to chemical substances 125–126[c]
Dust exposure
  aeroallergens, flour mills and bakeries, peak levels 193–201
  flour, variability 299–305
  occupational exposure limits 795–800
  pig farmers 545–557
  potato processing industry 841–854
  slate pencil manufacture 107–114
Dust extraction with orbital wood sanders 155–165
Dust sampler, electret-based, metal-processing industries 603–622

ECETOC Technical Report 128–129[b]
Editor
  John Ellison retires 1–2
  Tony Waldron new editor 1995 onwards 1–2
Electret-based dust sampler 603–622
Emissions, processing thermoplastics 35–53
Endosulfan (thiodan), determination in air 115–119
Endotoxin exposure
  pig farmers 545–557
  potato processing industry 841–854
Environmental health criteria
  acetonitrile 396–397[b]
  benzene 130–131[b]
  carbaryl 395–396[b]
  hexachlorobutadiene 528–529[b]
  hydroquinone 396–397[b]
Erratum 274
Ethylbenzene, exposure levels 7–20
European Meeting held to discuss dermal exposure monitoring and related issues 241–255[r]
Evaporation rates, prediction
  aqueous solutions 513–522
  pure volatile organic compounds 497–511
Exhaust, unflanged rectangular, capture efficiency 21–33
Exposure, occupational *see* Occupational exposure
Eye irritation, viscose rayon workers 307–315

Fibres, airborne, counting, microscope/computer 455–467
  see also Man-made fibres: Man-made mineral fibres: Man-made vitreous fibres
Fibrils, *para*-aramid, inhalation toxicity studies 691–697
Fibrous glass fibres *see* Man-made vitreous fibres
Flour millers
  correlation between measures of exposure 291–298
  dust exposure, variability 299–305
  peak exposure of aeroallergens 193–201
Formaldehyde in cutting fluids, irritation 591–601

Glass fibres, durability and distribution following intra-peritoneal injection 699–704
  see also Man-made vitreous fibres
Glutaraldehyde
  airborne, measurement by HPLC 223–233
  composition of vapour evolved 63–78
Grinding wheels, local exhaust ventilation hoods, design 535–543

Health at work 121[c]
Health risk, man-made fibres, assessment 737–745
Health and Safety Commission, annual report 129–130[b]
Hexachlorobutadiene, environmental health 528–529[b]
Hydrogen sulphide, eye irritation, viscose rayon workers 307–315
Hydroquinone, environmental health 396–397[b]

Industrial exposure, PAHs 329–346
Industrial hygiene 127[b], 268–269[b], 393-394[b], 870–871[b]
  activities in Japan 261–263
Inhalation
  asbestos, deposition 747–758
  man-made vitreous fibres 637–653
    rodent model 661–672
  para-aramid fibrils 691–697
  particle curves, small laboratory animals 317–328
Intraperitoneal test
  durability and distribution of glass fibres 699–704
  mineral fibre carcinogenicity 771–779
Ionising radiation 270–271[b]
Iron, dissolution by rat alveolar macrophages 855–867
Irritation, and cutting fluids 591–601
Isothermal evaporation rates, pure volatile organic compounds, prediction 497–511

Japan, industrial hygiene activities 261–263

Laboratory workers, rat urinary aeroallergen levels, variation 819–825
Laminar boundary layer theory, prediction of isothermal evaporation rates 497–511
Lead, oil tanker crew exposure 347–361
Leukaemia and other cancers in children of male workers at Sellafield, HSE investigation 265–267[b]
Local exhaust ventilation hoods for grinding wheels, design 535–543

Man-made fibres
  counting, microscope/computer 455–467
  tiered approach, health risk assessment 737–745
  toxicity, workshop 89–106[r], 633–779
  see also Asbestos: Man-made mineral fibres: Man-made vitreous fibres
Man-made mineral fibres
  carcinogenicity detection, intraperitoneal test 771–779
  classification 135–140[e], 523–526[c]
  inhaled, deposition 747–758
Man-made vitreous fibres
  advantages and limits of *in vivo* screening tests 725–735
  biopersistence 655–660
  carcinogenicity, statistical analysis 759–769
  chronic inhalation studies 637–653
  dissolution in rat alveolar macrophages 855–867
  oncogenic potential 661–672
  physical characterization for risk assessment 673–689

prefabricated house industry 167–179
see also Ceramic: Glass: *Para*-aramid fibrils
Manikins, heated, for evaluating clothing 809–818
Mesothelioma, asbestos exposure 363–374
Metal-processing industries, electret-based dust sampler 603–622

n-hexane, exposure levels 7–20
Numerical simulation, capture efficiency of exhaust hoods 21–33

Obituary
Charles Norman Davies 531–533
Ronald Epey Lane 401–402
Wilfred Alan Bloor 275–276
Occupational exposure
acid anhydrides 559–571
aluminium industry 181–191
asbestos, mesothelioma 363–374
assessment within- and between-worker variability 469–495
bakeries 291–298, 299–305
computational simulation 277–289
dust and flour aeroallergens, peak levels 193–201
flour millers 291–298, 299–305
laboratory workers, rat urinary aeroallergen levels 819–825
levels, two chemicals 7–20
oil tanker crews 347–361
para-aramid fibrils 403–425
pig farmers 545–557
potato processing industry 841–854
prefabricated house industry 167–179
radon, regional electricity company approach 203–210
setting standards, uncertainty factor 375–385
skin, chemical substances 125–126[c]
slate pencil manufacture 107–114
viscose rayon workers 307–315
volatile organic compounds from paints 783–794
wake effects 211–221
welders 123[c]
wood dust 141–154, 155–165
Occupational health
and genetic make-up 121[c]
and preventive medicine 869–870[b]
Occupational hygiene and toxicology 127[b]
Occupational medicine 131–133[b], 133–134[b]
Oil tanker crews, exposure to carcinogenic agents 347–361
Oncogenic potential of man-made vitreous fibres 661–672
see also Carcinogenic risk
Orbital sanders, on wood, dust extraction 155–165

Paints, exposure to volatile organic compounds 783–794
Para-aramid fibrils
airborne, worker exposure 403–425
inhalation toxicity studies 691–697
see also Man-made vitreous fibres
Particle inhalability curves, small laboratory animals 317–328
Pig farmers, dust and endotoxin exposure 545–557
Polyaromatic hydrocarbons, oil tanker crew exposure 347–361
Polycyclic aromatic hydrocarbon exposure, coal liquefaction workers 329–346
Potato processing industry, exposure to dust, endotoxin and micro-organisms 841–854
Prefabricated house industry, exposure to man-made vitreous fibres 167–179
Preventive medicine 869–870[b]
Push-pull ventilation system, three-dimensional finite-element simulation 573–589

Radiofrequency fields, human exposure 397–398[b]
Radon, assessment and control, regional electricity company approach 203–210
Rat urinary aeroallergen levels, variation 819–825
Refractory ceramic fibres *see* Man-made vitreous fibres
Resin flooring manufacture, exposure to acid anhydrides 559–571
Rock (stone) wool fibres *see* Man-made vitreous fibres
Rubber manufacturing industry, protocol for systematic workplace investigation 55–61

Sellafield, leukaemia and other cancers in children of male workers, HSE ingvestigation 265–267[b]
Silicon, dissolution by rat alveolar macrophages 855–867
Skin exposure
biologically relevant assessment 387–392
monitoring, and related issues 241–255[r]
to chemical substances 125–126[c]
Slag wool fibres *see* Man-made vitreous fibres
Slate pencil manufacture, dust exposure 107–114
Sodium cromoglycate, synthesis, health effects of intermediates 235–240
Spatial laser scattering profiles, recognition of airborne asbestos fibres 623–632
Styrene, exposure levels 7–20
Surveillance systems for occupational disease 257–260
Swimming pools, exposure to chloramines 427–439

Thermoplastics, processing emissions 35–53
Thiodan (endosulfan), determination in air 115–119
Three-dimensional finite-element simulation, push-pull ventilation system 573–589
Toluene, exposure levels 7–20

Toxicology 127[b], 268–269[b], 393–394[b], 870–871[b]
Tumour response, airborne fibre concentrations, and lung burden compared, asbestos fibres 715–725

Vapour, evolved from glutaraldehyde, composition 63–78
Variability, within- and between-worker sources 469–495
Viscose rayon workers, eye irritation 307–315
Volatile organic compounds 783–794
  prediction of evaporation rates 497–511

Wake effects on worker exposure 211–221
Welders, occupational exposure, methods to control 123[c]
Wood, dust extraction system, orbital sanders 155–165
Wood-dust exposure 141–154
Worker exposure *see* Occupational exposure
Worker protection 128–129[b]
Workplace investigation, rubber manufacturing industry, protocol 55–61
Workshop, toxicity of man-made fibres, Paris, 3-4 February 1994 89–106[r], 633–779

Xylene, exposure levels 7–20

AUTHOR INDEX

Agius, R.M. 393
Ahn, K. 573
Alam Khan, M.M. 107
Alderman, F.R. 181
Alexander, I. 135
Allsopp, A.J. 801
Anderson, R. 637, 661
Andersson, L. 167

Barker, R.D. 559
Bellmann, B. 655
Bernstein, D.M. 661
Bernsten, M. 347
Bignon, J. 89, 633, 737
Boleij, J.S.M. 141, 545
Brochard, P. 89, 633, 737
Brown, R. 89
Brown, R.C. 135, 155, 603, 705

Calvert, I.A. 329
Chase, J.R. 759
Chen, M.-M. 277
Cherrie, J.W. 268, 387, 403
Clark, N.E. 79
Collier, C.G. 699
Cuthbert, J. 223

Dangwal, S.K. 115
Davis, J.M.G. 89
De Bacquer, D. 307
De Rouck, A. 307
Dennis, J. 123
Dewell, P. 873
Dost, A.A. 241

Eastes, W. 699
Edling, C. 783
Evans, D.L. 203

Fairhurst, S. 375
Fleissner, H. 661
Fletcher, B. 535
Flo, R. 347
Flynn, M.R. 211, 277, 573
Forrest, M.J. 35
Fredenslund, A. 497
Fulekar, M.H. 107

Gardiner, K. 329, 559
Gendre, J.C. 427
Gerber, J.M. 427
Gibbs, G. 89, 633
Gibson, H. 403
Gillies, A.T. 275
Gitelman, H.J. 181
Glass, L.R. 705
Gordon, S. 819
Greim, M. 89
Groves, J. 223
Groves, J.A. 63
Gustavsson, P. 167

Hale, K. 329
Harrington, J.M. 559
Harris, J.M. 559, 819
Hecht, G. 427
Heederik, D. 545, 841
Hemingway, M.A. 603
Hery, M. 427
Hesterberg, T.W. 637, 661
Hedand, S. 795
Hirst, E. 623
Hogstedt, C. 441
Holding, S.R. 35
Hollund, B.E. 347
Holmér, I. 809
Holopainen, M. 855
Hoskins, J.A. 623, 705
Hubert, G. 427
Hughes, D. 270
Humphreys, J.A. 699

Illing, P. 127

Järvholm, B. 591
Jolly, A.M. 35
Julian, J.A. 79

Kaye, P.H. 623
Kim, T. 277
King, E. 129
Kowalczyk, G. 329
Krantz, S. 167, 441
Kromhout, H. 55, 141, 545, 841
Kulmala, I. 21
Kumagai, S. 7
Kupper, L.L. 469
Kurs-Lasky, M. 181
Kyvik, K.R. 347

Laszlo, I. 455
Launder, K.A. 699
Lavenius, B. 591
Ljungkvist, G. 591
Ljungqvist, B. 211
Lowson, D. 193, 291, 299
Lundgren, L. 167, 455
Lundström, S. 455
Luoto, K. 855
Lyles, R.H. 469
Lynch, G. 403

Maclaren, W.M. 403
Mashingaidze, M. 235
Mast, R. 661
Matsunaga, I. 7
McConnell, E.E. 727
McDonald, C. 257
McIntosh, C. 403
Meldrum, M. 523
Ménache, M.G. 317
Meredith, S. 257
Miller, C.T. 573
Miller, F.J. 317
Miller, W.C. 637
Mithbavkar, S. 115
Moen, B.E. 347
Money, C.D. 269
Morgan, A. 699, 747
Morris, K.J. 699
Mortazavi, S. 123
Muhle, H. 655
Muthedath, P. 277

Newman Taylor, A.J. 193, 291, 299, 559, 819
Nielsen, F. 497, 513
Nieuwenhuijsen, M. 193
Nieuwenhuijsen, M.J. 291, 299, 819
Nilsson, H. 809
Niven, R. 133
Norbäck, D. 783

Oberdörster, G. 89
Ogden, T.L. 523
Olsen, E. 497, 513

Packham, C.L. 125
Parsons, K.C. 827
Peterson, C. 591
Pethybridge, R.J. 801
Pigott, G.H. 135
Plato, N. 167, 441
Pott, F. 771
Preller, L. 545

Quinlan, R. 329

Raabe, O.G. 317
Rappaport, S.M. 469
Rebuffaud, J. 427

Richards, S.J. 35
Riise, T. 347
Robertson, A. 387
Rockette, H.E. 181
Rödelsperger, K. 715
Rodin, N. 591
Roe, F.J.C. 128, 271, 395, 396, 528
Roggli, V.L. 363
Rossiter, C.E. 759

Sandiford, C.P. 193
Savolainen, K. 855
Scheeper, B. 141
Schneider, T. 673
Scobbie, E. 63
Sébastien, P. 89
Sherwood, R.J. 869
Smith, D.J. 801
Smith, T.A. 235
Swuste, P. 55

Tee, R.D. 193, 819
Thevenaz, Ph. 637, 661
Thomassen, Y. 795
Thompson, J. 603
Thornton, R.E. 130
Thorpe, A. 155
Tielen, M.J.M. 545
Tongeren, M. van 55
Tongeren, M.J.A. van 559
Tornling, G. 441
Townsend, S. 699

Vanhoorne, M. 307
Venables, K.M. 193, 291, 299, 559, 819
Verma, D.K. 79
Veys, C. 131
Veys, C.A. 265, 527
Vinzents, P.S. 795
Vu,V. 89

Wake, D. 603
Waldron, H.A. 394, 399, 870
Walton, S.T. 329
Walton, W.H. 531
Warheit, D.B. 691
Westling, B. 455
Wieslander, G. 783
Wilson, H.G.E. 121
Woitowitz, H.-J. 715

Zock, J.-P. 841